

Name : **Dr. J. JAGADEESAN**

Date of Birth : **28-09-1974**

Gender : **Male**

Designation : Assistant Professor of Computer Science

Area of Specialization: Artificial Intelligence and Machine Learning

Communication Address

Office : Department of Computer Science,
Arignar Anna Govt. Arts and Science College,
Karaikal – 609 605 U.T of Pondicherry, India

Residence : Plot No.15, Veeramarthandapuram,
Iyanar Kovil South Street,
Keezhakasakudy,
Karaikal – 609 609.
U.T of Puducherry.

E.mail : jagatamil2006@gmail.com

Mobile : 9443395259



ACADEMIC QUALIFICATION

Sl. No.	Degree	Board / University	Class	Year of Completion
1.	B.Sc. Computer Science	St. Joseph College of Arts and Science, (Affiliated in Madras University)	First	June 1996
2.	M.Sc. Computer Science	Thanthai Hans Rover College (Affiliated in Bharathidasan University) Perambalur, Trichy, Tamilnadu	First	June 1998
3.	M.Phil. Computer Science	Alagappa University, Karaikudi, Tamilnadu	Second	May 2007
4.	Ph.D. Computer Science	Annamalai University, Chidambaram	Highly commended	Aug. 2026

Courses Completed

Sl. No.	Course	University /	Grade	Year of Completion
1.	103 rd Orientation Programme	Bharathiyar University, Coimbatore	A+	2014
2.	Refresher Course in Computer Science	Pondicherry University, Pondicherry	A+	2017
3.	Refresher Course in UGC-Human Resource Development Center, DAVV, Indore	Devi Ahilya Vishwavidyala University, Madhya Pradesh	A+	2020
4.	UGC-Sponsored Online Refresher Course in Computer Science	Bharathidasan University, Tiruchirappalli, Tamilnadu	A+	2021

Working Experience

Sl. No.	Designation	Organization	Period	No. of Years
1.	Lecturer in Computer Science	Avvaiyar Govt. College for Women, Karaikal	12.11.1999 – 26.10.2010	11 Years
2.	Assistant Professor of Computer Science (Consolidated)	Avvaiyar Govt. College for Women, Karaikal	27.10.2010 to 02.01.2013	2 Years
3.	Assistant Professor of Computer Science (Regular)	Kanchi Mamunivar Centre for Post Graduate Studies, Lawspet, Puducherry	03.01.2013 to 08.01.2018	4 Years
4.	Assistant Professor of Computer Science (Regular)	Arignar Anna Government Arts & Science College, Karaikal	09.01.2018 to Till Date	8 Years

Project Work

1. “Customer Enquiry and Vehicle Sales” at MOH, Bajaj Show Room, Thattanchavadi, Puducherry, 1996.
2. “Digital Simulation of Electro chemical behavior of H₂O₂ at silver electrode in HClO₄ Aqueous solution during potential scan” using C++ programming at CECRI, Karaikudy, 1998.
3. “Implementation of Comparative Study of Graphical Algorithm using Interrupt and Video Memory” using C Programming in M.Phil., Computer Science, 2007

Research Experience:

1. Worked as **Research Fellow** (1996), CECRI-Central Electrochemical Research Institute, Karaikudy, Tamil Nadu.

Journal Publications

1. Jagadeesan, J., & Nagarajan, R. (2026) “**A Review of Federated Machine Learning for Crop Yield Prediction: Sustainable Integration of IoT and Smart Agriculture**”, Indian Journal of Computer Science and Technology. <https://www.indjst.com/archives/10.59256/indjst.20260502059> (**UGC-Care List**)
2. Jagadeesan, J., & Nagarajan, R. (2025). “**An IoT-driven federated learning method for rainfall prediction employing attention convolutional recurrent networks and golden jackal optimization techniques**”, Engineering, Technology & Applied Science Research, 15(5), 27858–27862. <https://doi.org/10.48084/etasr.11957> (**Scopus Index**)
3. Jagadeesan, J., & Nagarajan, R. (2025). “**Advanced forecasting of crop prices through graph convolutional models with gated recurrent neural networks enhanced by heuristic search optimization algorithms**”, SSRG International Journal of Electronics and Communication Engineering, 12(12), 60–74. <https://doi.org/10.14445/23488549/IJECE-V12I12P106> (**Scopus Index**)
4. J.Jagadeesan and Dr. G. M. Kadhar Nawaz, (2015), “**Multilanguage Source Code Generation For Database Oriented Application Using JSP**”, International Journal of Research in Engineering and Technology, Volume: 04 Issue: 07.
5. J.Jagadeesan and Dr. N.Venkatesan, 2015, “**Study of API for Web Applications**”, International Journal of Contemporary Research in Computer Science and Technology (IJCRCST_, Volume 1, Issue 7.

International/National Conference

1. J. Jagadeesan & Dr. R. Nagarajan, “**Embarking on a new journey of Federated Learning and Tensor Flow Framework**” Proceedings of International Conference on “Computational Intelligence and its applications” March 9th 2024, A.V.C. College (Autonomous) Mannampandal – 609 305, Mayiladuthurai, ISBN: 978-81-967420-1-0, pp 42-49.
2. J.Jagadeesan & Dr. R. Nagarajan, “**Federated Learning Case Study: Exploring Applications**”, Applications of AI in Emerging Research and Education, IQAC, Annamalai University, September 2023, ISBN : 978-81-965582-7-7, pp. 384-403,
3. Attended one day National Conference on “**Advances in Machine Intelligence**” organized by the Annai College of Arts and Science, Kumbakonam, held on 1st October 2013, and presented the paper entitled “**Automatic Generation of Source Code for High Level Language using Artificial Intelligence**”.

Book Chapter

1. Jagadeesan, J., & Nagarajan, R. (2023) “Federated Learning Case Study: Exploring Applications” Computational Intelligence and Its Applications, Sep. 2023 ISBN: 978-81-965582-7-7, Internal Quality Assurance Cell (IQAC) Annamalai University.

Workshops

1. Attended one day National workshop on “Data Science Using R Programming & Python” on 9th March 2018 organized by Department of Information Technology Bharathiar College of Engineering & Technology, Karaikal.
2. Attended two days National workshop on “Recent Trend in Physics” organized by Avvaiyar Govt. College for Women Karaikal, held on 28th and 29th March 2014.
3. Attended one day workshop on “**Efficient Research in Computer Technology**” organized by the Bharathiyar College of Engineering and Technology, Karaikal, held on 16th Feb 2013.
4. Attended one day National webinar on “Need R&D for Scientific Validation of Traditional Herbal Medicine”, Organized by Dept. of Botany, AAGASC, Karaikal.

Invited Lectures

1. Resource Person and Delivered Lecture on “Digital Literacy” on 2021, organized by Department of Surgical Nursing, Vinayaka Mission’s College of Nursing, Karaikal.

Program

1. State Level Faculty Development Program on “**Cloud Computing and its Application**” organized by the Department of Master of Computer Application, E.G.S. Pillay Engineering College, Nagapattinam on 9th April 2012.

Other Significant Contribution

1. Development of website for UGC, New Delhi, Major Research Project, Department of Plant Science, Avvaiyar Govt. College for Women, Karaikal-609602, U.T. of Puducherry, India. eFlora of Karaikal District is one of the simple web site which highly useful to biologists as well as non- biologist for easy identification and to understand the distribution of taxonomy in the flora of Karaikal district. <http://www.eflorakkl.in> (2010)
2. Development of Software for Admission system for Avvaiyar Govt. College for Women, Karaikal and Arignar Anna Govt. Arts and Science College, Karaikal. This package covered Application Entry, Master List, Merit List and Final Selection List. (Updated the following year 2014,2015,2016,2017)
3. Development of Software for Seating Arrangement System for Pondicherry University Examination for the year 2015.
4. Development of Dynamic Website for Avvaiyar Govt. College for Women Karaikal, In which Online Library Management is the significant process. <http://agcw.edu.in/lib/> during 2015
5. Development of Website for Arignar Anna Govt. Arts and Science College, Karaikal during the year 2017.
6. Feb 2016, Geo Tagging Training organized by PSHEC (2016-17)
7. Taken Seminar on “Necessary Digital Skills for Youth” at Community Hall, Vadamattam, Karaikal.

Sl.No.	Designation	Institute	Period
1.	Website coordinator	Avvaiyar Govt. College For Women Karaikal	2005-2012
2.	Member of Admission Committee	Avvaiyar Govt. College For Women Karaikal	2010 - 2012 2015 – 2017
	Member of CAPASC Admission Committee	Arignar Anna Govt. Arts and Science College & Avvaiyar Govt. College For Women Karaikal	2018 – 2026 (8 Years)
3.	Observer for Theory Examinations	Pondicherry University	2016 to 2021
4.	External and Internal Examiner for Practical Examinations	Pondicherry University	2013 to Tilldate
5.	Question Paper setter	Bharathiyar University.	2015 to 2021
6.	Presiding Officer (5 Times)	General Elections to Puducherry	2014& 2021 2024
7.	Web Manager	Arignar Anna Govt. Arts and Science College	2018 to 2026

Project Guided for UG, PG and M.Phil. Students (2009 to 2021)

Sl. No.	Title & Institution	Students	Year (May)
1.	Design and Implementation of Mother tongue programming using Web Application (JSP) M.Phil Computer Science, Priest University, Thanjavur	PRIYA B	2009
2.	Design of Website for AGCW AGCW- B.Sc.	RISWANA PARWIN M SHYAMALA DEVI J SUGANYA S	2009
3.	Making Stereoscopic Image (Java) in AGCW- B.Sc.	SUGANTHY G VAISHNAVI M UMEHARA BEGAM A	2010
4.	Testing and Image Re-Coloring for Dichromate's (Java) AGCW- B.Sc.	FAHIRA H ARCHANA P BALASUNDARI K	2010
5.	Study and Implantation of API for Web Application (PHP) AGCW- B.Sc.	CHRISTA M JENITA MARY J KAYALVIZHI A	2014

6.	Analysis of Website audio broadcasting techniques (PHP) AGCW-UG Students	DEEPIGA A FARHANA A SUNDARI S	2015
7.	BGCW Mark List JSP AGCW- B.Sc.	MADHANA.T	2016
8.	Online IQAC Students Feedback System for AGCW (JSP) AGCW- B.Sc.	AMEROON NISHA M JUVARIYA M RESMIN A	2016
9.	Board Game using Java Swing AGCW- B.Sc.	KEERTHANA A KEERTHANA T	2016
10.	Web Designing of Electronic Goods Reselling Company AGCW- B.Sc.	NABISATHUL AFFIYA N SALIHA THASLIM M SHAFANA S	2017
11.	Searching Crawler AGCW- B.Sc.	JANANI S LAKSHMI PRABHA J	2017
12.	Web Designing of Tamil Recipes AGCW- B.Sc.	LINCY S NABEELA BANU S ROFINA FARVEEN S	2017
13.	Grade Sheet Preparation System AGCW- B.Sc.	HAMITH NAZIRA M I JENNATHUL RAMILA M Y	2017
14.	QR Code Generation for Library Book AAGASC, B.Sc.	BALA MURUGAN J MOHAN R NANDHA KUMAR A	2018
15	AI Based Game AAGASC, B.Sc.	DHIVYA S PRIYA B PRIYADHARSHINI S	2018
16	QR Code Authentication JSP AAGASC, M.Sc.	SRIGAYATHIRI P	2019
17	Email Communication with Secure Hash Algorithm (JSP) AAGASC, M.Sc.	TAMIL SELVI T	2019
18	Study of Government Website Performance using Web Tools (JSP) AAGASC, M.Sc.	ASWINI S	2019
19	Image Steganography using Java Swing AAGASC, M.Sc.	VISHALI R	2019
20	Currency Identification System using Java Swing AAGASC, M.Sc.	PARAMESWARI G	2019
21	Fingerprint Recognition using Image Segmentation Java Swing AAGASC, M.Sc.	MAINAVATHY V	2019
22	PC-Explorer using Visual Basic 6.0 AAGASC, B.Sc. Students	DHARANI B DURGA PARAMESWARI C MAHALAKSHMI G	2019
23	Electrical Wiring Material and Cost Estimation using Visual Basic 6.0 AAGASC, B.Sc.	AAKASH M SATHISHMUMAR K VENKATESHWARABALAJI M	2019
24	Data Mining on Super Market, AAGASC, B.Sc.	HARIDHA M	2019
25	Computer Hardware Service Maintenance, AAGASC, B.Sc.	KALAISELVI A	2019
26	Text Stegnography Using Java, AAGASC, M.Sc.	BOWNIYA V	2020
27	Development Of Information System – Web Application, AAGASC, M.Sc. Student	NANDHAKUMAR.A	2020

28	Study Of Multimedia Contents On Web Pages, AAGASC, M.Sc.	MEENA S	2020
29	Audio Steganography Using Java Swing, AAGASC, M.Sc.	RENUKADEVI G	2020
30	Updating The Eflora Karaikal District, AAGASC, M.Sc.	SRIMATHI N	2020
31	Colorization By Multidimensional Projection Using Java Swing, AAGASC, B.Sc.	VINITHA M	2020
32	Students Information System on College Website, PHP with MySQL, AAGASC, B.Sc.	DIVYA T LOUGESWARY MARY JASMINE A	2020
33	Students Information System on College Website using PHP with MySQL, AAGASC, B.Sc.	AROKIA BHAGYAVADY S HARIDHA M KALAISELVI A	2020
34	Online Bike Rental System using PHP with MySQL, AAGASC, B.Sc.	ABINESH M ANAND M DHINESH K	2020
35	QR-Coding and Online Maintenance Of CS Department Library of AAGASC, using PHP with MySQL,, AAGASC, B.Sc.	HARIHARAN M MANIKANDAN P MANIKANDAN R	2020
36	Crop Prediction Using Geographically Distributed Big Data, KMKPGS, M.Sc.,	KANIMOZHI.M	2021
37	Web based Graphical Password Authentication System, KMKPGS, M.Sc.,	VIJAYALAKSHMI N	2021
38	Medicine Explorer, KMKPGS, M.Sc.,	R.MANIKANDAN	2021
39	Web based Application using PHP with MySQL AAGASC, B.Sc.	JAYAKRISHNAN J SIVACHIDAMBARAM	2021

40	Study of Website Performance, AAGASC, B.Sc.	HARIHARAN M RISHIKUMAR T UDAYAN RAJ D RAAMPRAKASH R	2021
41	Design of Snakes and Ladders Game using HTML & Java script, KMKPGS, M.Sc.	MAHALAKSHMI .S	2021
42	A Survey on Prediction Techniques of Heart Disease Using Machine Learning, KMKPGS, M.Sc.,	KUPPAAL. M	2021
43	QR Based Penalty Charging for Violation of Traffic Rules, KMKPGS, M.Sc.,	RAMALAKSHMI. A	2021
44	Logo Designer, KMKPGS, M.Sc.,	KAVITHA N	2021
45	Student Learning Material Maintenance and Id Generation System, KMKPGS, M.Sc.	MARY JASMINE A	2022
46	Logo Designer KMKPGS, M.Sc.	KAVITHA N	2022
47	QR Based Penalty Charging For Violation Of Traffic Rules, KMKPGS, M.Sc.	RAMALAKSHMI A	2022
48	A Survey On Prediction Techniques Of Heart Disease Using Machine Learning, KMKPGS, M.Sc.	KUPPAAL M	2022
49	Design Of Snakes And Ladders Game Using HTML with Java Script, KMKPGS, M.Sc.	MAHALAKSHMI .S	2022

AAGASC, B.Sc. Computer Science Projects

50	Create web pages for Physical Education Dept.	EZHILARASAN.C	2022
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	using PHP	VIGNESH.A SHYAM.S	
51	Implementation of 7 th Pay Commission for AAGASC Employees using JSP	KARTHIGA P SERINA JEBASRI C	2023
52	Online Food Ordering System (PHP with MySQL),	AASHA B ABINAYA R FOUZIABANU S SNEHA K	2023
53	Online Stock Management System	VANAJA V VENUS JEBASRI C SOWNDARYA G	2023
54	Online Movie Ticket Booking System	SWAMINADHAN GANESH RAJ MURUGARAJ	2023
55	Online Computer Quiz	JAFAR ARAFATH A SHAM M VIVEK B	2023
56	Enhance Of Students Information System On College Website	GAYATHRI R KANIMOZHI D MANGAYARKARASI R	2023
57	Games using Python	LOKESH P PARTHIPAN P SARANKUMAR M Additionally 11 Teams	2024
58	File management system using PHP	JAYAKRISHNAN R	2025
59	Language translator using python with Google API	DHANUSH M	2025
60	Paddy Cultivation Expense Management System using PHP	THULASIRAM R	2025
61	Practical Claim Management System using PHP	ABISHEK KUMAR G ARUN KARTHIK M BOOBALAN M	2025